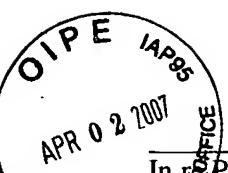
2622 Docket No.: 2003.807 US (PATENT)



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In patent Application of:

Adam-Worrall

Application No.: 10/583,013/

Confirmation No.: 6111

Filed: June 15, 2006

Art Unit: 2622

For: TRICYCLIC 1-[(INDOL-3-YL)

Examiner: Not Yet Assigned

CARBONYL]PIPERAZINE DERIVATIVES AS CANNABINOID CB1 RECEPTOR AGONISTS

TRANSMITTAL LETTER

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 CERTIFICATE OF MAILING
I hereby certify that this correspondence is being deposited with the United States Postal Service as First-Class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450,

Alexandria, VA 22313-1450

Dear Sir:

on <u>March 29, 2007</u>

In Transmitted herewith find the document(s) related to this application.

1. TRANSMITTAL LETTER IN DUPLICATE;

2. SUPPLEMENTAL IDS (4 pages);

3. PTO SB/08 FORM (1 page);

- 4. COPIES OF REFERENCES CITED (10);
- 5. CERTIFICATE OF MAILING; and
- 6. POSTCARD

No fees are believed due for this filing. Please charge any fees which may be due (including filing fees under 37 CFR 1.16 and processing fees under 37 CFR 1.17) to Deposit Account No. 01-1350. If an extension of time is required but has not been requested above, Applicant hereby petitions for an extension of time sufficient for the attached document(s) to be timely. A duplicate copy of this sheet is enclosed.

Dated: March 29, 2007

Respectfully submitted,

Susan Hess

Registration No.: 37,3501 Attorney For Applicant(s)

Akzo Nobel Inc.
Intellectual Property Department
120 White Plains Road, Suite 300
Tarrytown, NY 10591
(973) 325-4542



Error! Unknown document property name.

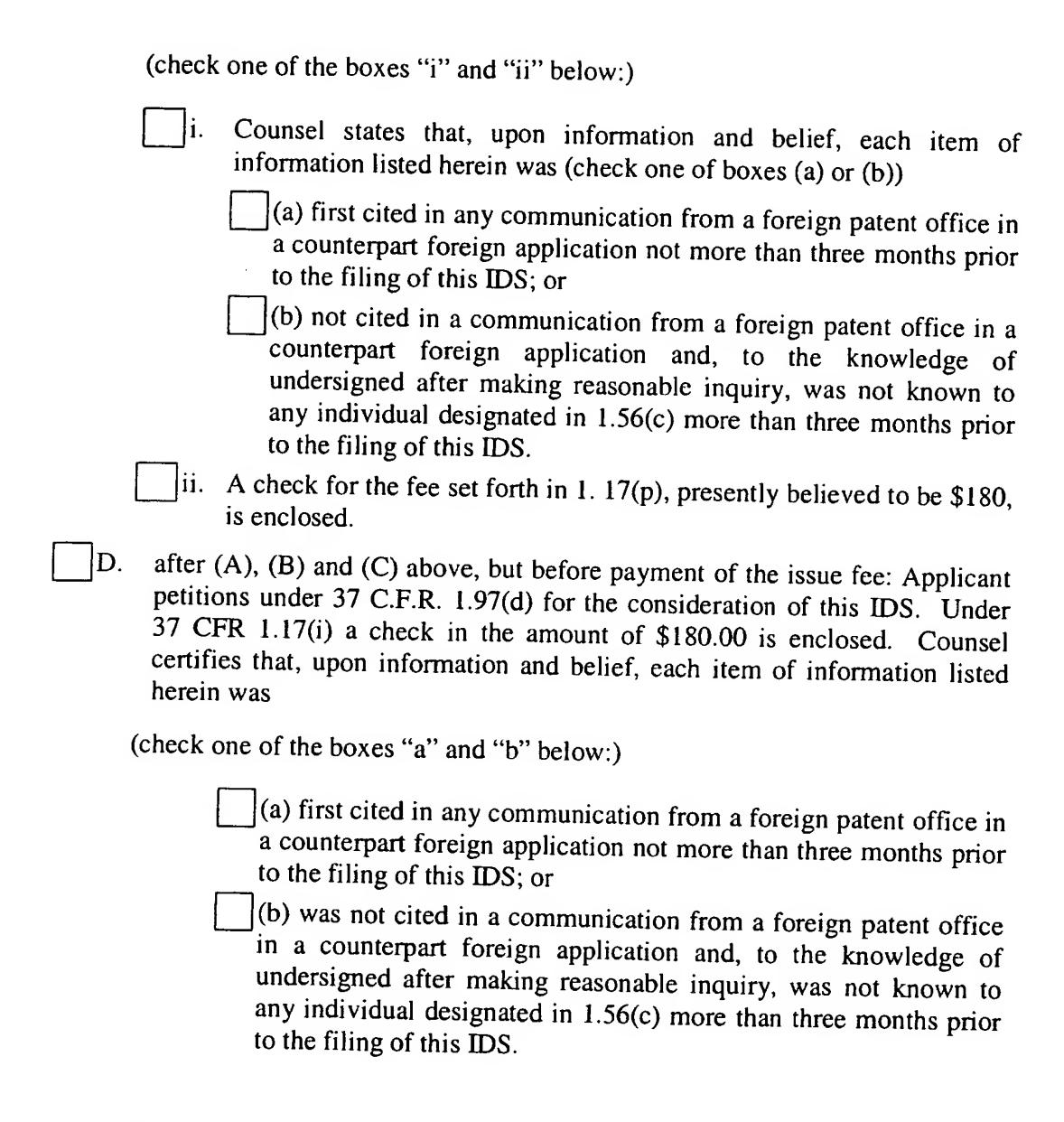
Docket No.: 2003.807 US

(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

	ent Application of: am-Worrall	
Applicat	ion No.: 10/583,013	Confirmation No.: 6111
Filed: Ju	ine 15, 2006	Art Unit: 2622
C	CRICYCLIC 1-[(INDOL-3-YL) CARBONYL]PIPERAZINE DERIVATIVES AS CANNABINOID CB1 RECEPTOR AGONISTS	Examiner: Not Yet Assigned
	SUPPLEMENTAL INFORMATION DISCLO	SURE STATEMENT (IDS)
P.O. Box	ing Parts ioner for Patents	CERTIFICATE OF MAILING I hereby certify that this correspondence is being deposited with the United States Postal Service as First-Class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
Dear Sir:		on March 29, 2007 Lynn Brush
relying on application	This Information Disclosure Statement is submitted it is requested that the information set forth in this ered during the pendency of the above-identified the filing date of the above-identified application. 1. This IDS should be considered, in accordance we of the boxes A-D)	s statement and in the listed documents application, and any other application on or cross-referencing it as a related
A. XB.	within three months of the filing date of the application or within three months of the entry above identified national application before the mailing date of a first office action or	into the national stage of the
	action after filing a request for continued examinater (A) and (B) above, but before final reapplicants have made the necessary statement is necessary fee in box "ii" below.	ation.

Application No.: 10/583,013 Docket No.: 2003.807 US



2. In accordance with 37 C.F.R. 1.98, this IDS includes a list (e.g., form PTO/SB/08) of all patents, publications, or other information submitted for consideration by the office, either incorporated into this IDS or as an attachment hereto. A copy of each document listed is attached, except as explained below.

(check boxes A, B and/or C and fill in blanks, if appropriate.)

Application No.: 10/583,013

Docket No.: 2003.807 US

X A. Pursuant to the 37 C.F.R. § 1.98(a)(2)(ii), a copy/copies of the U.S.

Patent(s) and/or U.S. Patent Application Publication(s) on PTO/SB08

is/are not being submitted.

B. Document(s) _____ is (are) deemed substantially cumulative to document(s) _____, and, in accordance with 1.98(c), only a copy of each of the latter documents is enclosed.

C. Certain documents were previously cited by or submitted to the Office in the following prior applications, which are relied upon under 35 U.S.C. 120:

<< INSERT SERIAL NO. & FILING DATE>>

Applicant identifies these documents by attaching hereto copies of the forms PTO-892, PTO-1449 and/or PTO/SB/08 from the files of the prior application(s) or a fresh PTO/SB/08 listing these documents, and request that they be considered and made of record in accordance with 1.98(d). Per 37 CFR 1.98(d), copies of these documents need not be filed in this application.

3. Cite No(s). _____ are not in the English language. In accordance with 1.98(c), Applicant states: An English translation of each document (or of the pertinent portions thereof), or a copy of each corresponding Englishlanguage patent or application, or English-language abstract (or claim) is enclosed. The requirement for a concise explanation of the relevance of any foreign language document is satisfied by the attached search report; citation of the documents cited in the search report shall not be construed as an admission that they are or are considered to be, material to patentability of the subject matter claimed herein (See MPEP §609). A concise explanation of the relevance of document(s) __ is set forth as follows: [Insert concise explanation of relevance] A concise explanation of the relevance of document(s) ____ can be found on page(s) _____ of the specification. A concise explanation of document(s) ____ can be found on the attached sheet.

Application No.: 10/583,013 Docket No.: 2003.807 US

- X 4. No explanation of relevance is necessary for documents in the English language (see reply to Comments 67 in the preamble to the final rules; 1135 OG 13 at 20).
- 5. Other information being provided for the examiner's consideration follows:

6. In accordance with 37 C.F.R. 1.97(g) and (h), the filing of this IDS should not be construed as a representation that a search has been made or that information cited is, or is considered to be, material to patentability as defined in §1.56 (b), or that any cited document listed or attached is (or constitutes) prior art. Unless other-wise indicated, the date of publication indicated for an item is taken from the face of the item and Applicant reserves the right to prove that the date of publication is in fact different.

Early and favorable consideration is earnestly solicited.

The Commissioner is authorized to charge any deficiency or credit any excess in this fee to Deposit Account No. 01.1350.

Dated: March 29, 2007

Respectfully submitted,

Susan Hess

Akzo Nobel Inc.
Intellectual Property Department
120 White Plains Road, Ste 300
Tarrytown, NY 10591
(973) 325-4542

Registration No.: 37,350 Attorney For Applicant(s)

PTO/SB/08A/B (09-06)

Approved for use through 03/31/2007. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 1

The state of the s				
Complete if Known				
Application Number	10/583,013			
Filing Date	June 15, 2006			
First Named Inventor	Julia Adam-Worrall			
Art Unit	2622			
Examiner Name	6111			
Attorney Docket Number	2003.807 US			

	U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		4,939,138				

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication	Nome of Peterses	Pages, Columns, Lines,	To
		Country Code ³ -Number ⁴ -Kind Code ⁵ (il known)	Date MM-DD-YYYY	Applicant of Cited Converse	Where Relevant Passages or Relevant Figures Appear	
		EP 0 393 766				-

"EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Jung, Michel E., et al., "Organic Chemistry of L-Tryosine," J. Org. Chem., 1985, 50, pp. 4909-4913.	
		Howlett, A. C. et al., "International Union of Pharmacology. XXVII. Classification of Cannabinoid Receptors," Pharmacological Reviews, Rev., Vol. 54, No. 2 (2002) pp. 161-202.	
		Iversen, L. et al., "Cannabinoids: a real prospect for pain relief?," Current Opinion in Pharmacology, Vol. 2 (2002) pp. 50-55.	
		Eissenstat, M. A. et al., "Aminoalkylindoles: Structure-Activity Relationships of Novel Cannabinoid Mimetics," J. Med. Chem., Vol. 38 (1995), pp. 3094-3105.	
		Robinson, B., "Recent Studies on the Fischer Indole Synthesis," Chem. Rev., Vol. 69 (1963) pp. 227-250.	
		van Wijngaarden, I. et al., "Development of High-Affinity 5-HT ₃ Receptor Antagonists. Structure-Affinity Relationships of Novel 1,7-Annelated Indole Derivatives," J. Med. Chem., Vol. 36 (1993) pp. 3693-3699.	
		Hwu, J. R. et al., "Novel Methods for the Synthesis of Functionalized Indoles from Arylhydroxylamines and Activated Acetylenes," J. Org. Chem., Vol. 59 (1994) pp. 1577-1582	
		Stratowa, C. et al., "Use of a luciferase reporter system for characterizing G-protein-linked receptors," Current Opinion in Biotechnology, Vol. 6 (1995) pp. 574-581.	
		Dinsmore, Christopher J., et al., "Recent Advances in the Synthesis of Diketopiperazines," Tetrahedron 58 (2002), pp. 3297-3312.	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Evening		
Examiner	Date	
Signature		4
Olghadire	Considered	
•		

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.